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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/692,865	10/27/2003	Toshihito Yanashima	020265A	9185
23850	7590	06/27/2006	EXAMINER	
ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP			NGUYEN, HANH N	
1725 K STREET, NW			ART UNIT	
SUITE 1000			PAPER NUMBER	
WASHINGTON, DC 20006			2834	

DATE MAILED: 06/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/692,865	Applicant(s) YANASHIMA ET AL.	
	Examiner Nguyen N. Hanh	Art Unit 2834	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on RCE filed on 5/9/06.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 10-12 and 16-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 10-12 and 16-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 October 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Remarks

1. In view of amendments, the Examiner withdraws the objection to the drawings.
The cancellation of claims 7-9 and 13-15 has been acknowledged.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 10-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Liu et al. (US Patent No. 4,358,696).

Regarding claims 10-12, Liu et al. disclose a synchronous induction motor comprising: a stator equipped with a stator winding; a rotor which is secured to a rotating shaft and which rotates in the stator; a secondary conductor provided around the rotor yoke constituting the rotor; and permanent magnets embedded in the rotor yoke, each said magnet having a linear shape and provided symmetrically about a line that connects two magnetic poles, wherein the permanent magnets have lengths which are radially disposed, and wherein the permanent magnets are substantially adjacent to the rotating shaft, wherein a magnetic field produced by the permanent magnets does not pass through the rotating shaft (or bypasses the rotating shaft as in claim 11, or passes through only the rotor yoke, excluding the rotating shaft as in claim 12).

3. Claims 16-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Miyashita et al. (US Patent No. 4,403,161).

Regarding claims 16 and 18, Miyashita et al. disclose a synchronous induction motor comprising: a stator (7 in Fig. 2) equipped with a stator winding; a rotor which is secured to a rotating shaft (2 in Fig. 1) and which rotates in the stator; a secondary conductor (6) provided around the rotor yoke constituting the rotor; and permanent magnets (4 and 5) embedded in the rotor yoke, each said magnet having an arcuate shape curving around the rotating shaft and provided symmetrically about a line that connects two magnetic poles, wherein the permanent magnets are substantially adjacent to the rotating shaft, wherein a magnetic field produced by the permanent magnets does not pass through the rotating shaft (or bypasses the rotating shaft as in claim 11, or passes through only the rotor yoke, excluding the rotating shaft as in claim 18).

4. Claim 17 is rejected under 35 U.S.C. 102(b) as being anticipated by Miyashita et al. (US Patent No. 4,403,161).

Regarding claim 17, Miyashita et al. disclose a synchronous induction motor comprising: a stator (7 in Fig. 2) equipped with a stator winding; a rotor which is secured to a rotating shaft (2 in Fig. 1) and which rotates in the stator; a secondary conductor (6) provided around the rotor yoke constituting the rotor; and permanent magnets (4 and 5) each having an arcuate shape curving around the rotating shaft and provided symmetrically about a line that connects two magnetic poles, wherein the permanent

Art Unit: 2834

magnets are substantially adjacent to the rotating shaft, and wherein a magnetic field produced by the permanent magnets bypasses the rotating shaft.

Response to Arguments

5. Applicant's arguments with respect to claims 10-12 and 16-18 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

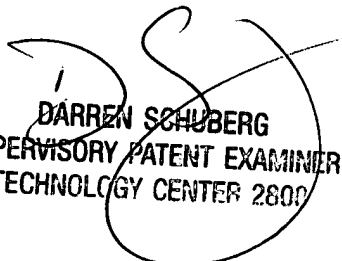
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hanh N Nguyen whose telephone number is (571) 272-2031. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg, can be reached on (571) 272-2044. The fax phone numbers for the organization where this application or proceeding is assigned are (571) 273-8300 for regular communications and (571) 273-8300 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.

HNN

June 19, 2006


DARREN SCHUBERG
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800